

(6 pages)

Reg. No. : .....

Code No. : 7182

Sub. Code : PBOE 41

M.Sc. (CBCS) DEGREE EXAMINATION,  
APRIL 2019.

Fourth Semester

Botany – Elective

MEDICINAL BOTANY AND DIETETICS

(For those who joined in July 2017 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. How much of the world's population depends on herbal medicines?  
(a) 80%  
(b) 60%  
(c) 40%  
(d) 20%

2. Study on medicinal plants based on ancient literature and investigations in modern days is called  
(a) Pharmacy  
(b) Pharmacology  
(c) Economic botany  
(d) Ethnobotany
3. A neem product used as insect repellent is  
(a) Azardirachtin  
(b) Rotenone  
(c) Endrin  
(d) Parathion
4. Antiseptic properties are found in the leaves of  
(a) Asparagus racemosus  
(b) Azadirachta indica  
(c) Aloe vera  
(d) Adhatoda zeylanica
5. Major food crops in the world level belongs to the family  
(a) Leguminosae  
(b) Solanaceae  
(c) Cruciferae  
(d) Gramineae

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6. A milk like preparation can be made from the seeds of
- (a) gram (b) grapes  
(c) soybean (d) barley
7. What is the name given to the chemicals extracted from plants?
- (a) Biochemicals  
(b) Phytochemicals  
(c) Molecular chemicals  
(d) None of these
8. Which of these is a common cause of diarrhea?
- (a) Contaminated food or water  
(b) viral infection  
(c) intolerance to milk  
(d) all of the above
9. Tocopherol is an example of:
- (a) Anticaking agent  
(b) Flavouring agent  
(c) Antioxidant  
(d) None of these

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10. Nisin is used as:
- (a) Antimicrobial agent  
(b) Emulsifier  
(c) Stabilizer  
(d) Sweetner

PART B — (5 × 5 = 25 marks)

Answer ALL questions choosing either (a) or (b).

Each answer should not exceed 250 words.

11. (a) Write notes on habit and uses of *Plantago ovata*.

Or

- (b) Enumerate systematic position and uses of *Terminalia chebula*.

12. (a) What are phytochemicals?

Or

- (b) Give an account on properties of castor oil.

13. (a) Write notes on dietetics.

Or

- (b) Comment on Indian plant food wheat.

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14. (a) Outline the plant nutraceuticals.

Or

- (b) How will you control hypertension by plant nutraceuticals?

15. (a) Write notes on PUFA.

Or

- (b) List out the types of antioxidants.

PART C — (5 × 8 = 40 marks)

Answer ALL questions choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Give an account on habit, habitat, systemic position, morphology and useful parts of *Tinospora cordifolia*.

Or

- (b) Discuss on systemic position, useful part and uses of *Acorus calamus*.

17. (a) Give an account on source, properties and medicinal uses of Lavender oil.

Or

- (b) Write notes on properties and medicinal features of mentha oil.

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18. (a) Describe about botanical therapeutics from coriander.

Or

- (b) List out the therapeutic values of cumin and clove.

19. (a) Give an account on treatment of diabetics.

Or

- (b) How will solve the constipation issues through treatment?

20. (a) Describe about omega -3-fatty acids.

Or

- (b) Give an account on cosmeceuticals.

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